

Multi-hatch Gauge

BEVS 2203

User Manual



Version 201412

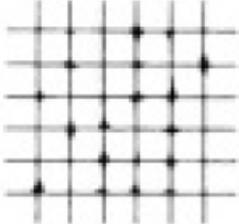
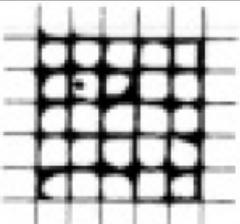
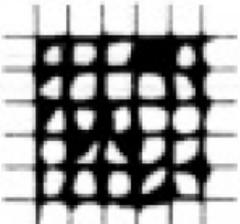
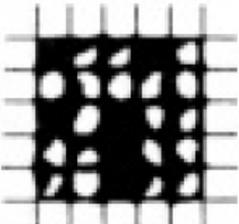
This manual shall be read carefully before starting. Directions included in this operation manual shall be strictly followed.

1.0 Introduction

1) Cross Cut Adhesion Test

According ISO 2409, 1, 2 and 3 parallel knife guide slots to produce a grid. Incise the coating just to the substrate. 2 mm grid for layers up to 120µm at soft-surface and layers from 61 to 120µm at hard-surface. 3mm grid for layers of 121 to 250µm.

Evaluation according to scale below:

Class	Description	Performance
0	The edges of the cuts are completely smooth; none of the squares of the lattice is detached	
1	Detachment of small flakes of the coating at the intersections of cuts. A cross-cut area not significantly greater than 5% is affected	
2	The coating has flaked along the edges and/or at the intersections of the cuts. A cross-cut area significantly greater than 5%, but not significantly greater than 15%, is affected	
3	The coating has flaked along the edges of the cuts partly or wholly in large ribbons, and or it has flaked partly or wholly on different parts of the squares. A cross-cut area significant greater than 35%, is affect	
4	The coating has flaked along the edges of the cuts in large ribbons and/or same square have detached parity or wholly. A cross-cut area significantly greater than 35%, but not significantly greater than 60%, is affected	
5	Any degree of flaking that cannot even be classified by classified buy classification	

2) Wet-film Applicator

Apply some paint on a smooth surface and draw this side of the plate through the paint to produce a film with a film thickness with a variation of 0-180 μ m.

3) Ruler

The ruler is divided into millimeter with the measuring range of 0-80 mm. Easy to measure the length of object.

4) Corners

Edge-rounding check for the right hiding power/adhesion of paint on edges. Place the comers onto edges and check rounding. Example: Wood R=5 Metal R=3; IMO PSPC R=2; ISO 8501-3 and ISO 12944-3 R \geq 2

5) Wet-film Thickness Gauge

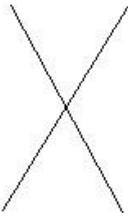
Press this side immediately after application perpendicular into the wet-coating. The thickness lies between the last tooth with paint on and the first clean tooth.

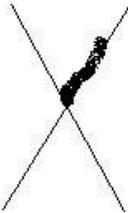
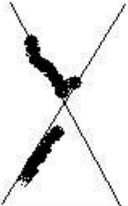
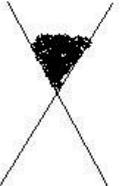
6) QR Code

More information of our company and our products will be stored in QR code and displayed on the screen to be scanned by your cell phone

7) X-Cut Adhesion Test

The X-Cut adhesion test (ISO 16276-2:2007) is mainly used for layers above 250 μ m. It consists of two lines cut through the coating to the substrate beneath. On each line a piece of adhesive tape is firmly placed. Within 5 minutes the tape is pulled of rapidly. Evaluation according to the scale below:

Class	Description	Performance
0	No peeling or removal of coating	
1	Trace peeling or removal along cuts or at their intersection	

2	Jagged removal along cuts, extending up to 1.5mm out on either side	
3	Jagged removal along most of the length of the cuts, extending up to 3.0 mm out on either side	
4	Removal from most of the area of the X-cut under the tape	
5	Removal of coating beyond the area of the X-cut	

2.0 Packing

1×Packing box

1×Cross Cutting Board

1×Cross Utility Knife (Built-in another small knife)

1×High quality brusher

1×3M Tape

3.0 Maintenance

1. Put into the box to keep clean and dry after using

2.After-sale warranty for one year (Except artificial improper safekeeping and operation)